

**DETAILED ACTION**

***Response to Arguments***

1. Applicant's arguments, see Amendment, filed 7/23/09, with respect to claims 1-7 and 9 have been fully considered and are persuasive. The previous rejection has been withdrawn.

**EXAMINER'S AMENDMENT**

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with James Kayden on 11/5/09.

The application has been amended as follows:

- a) Regarding to claim 9, on line 8, please delete "8" after "claim", and add -- 1 --.

***Allowable Subject Matter***

3. Claims 1-7 and 9 are allowed.
4. The following is an examiner's statement of reasons for allowance: None of the prior art teaches or suggests training and tracking in an equalizer system comprising entering into a burst equalization process if channel changes result in an error rate

exceeding a first threshold but not exceeding a second threshold; entering into a pre-training process again if the channel changes result in an error rate exceeding the second threshold; wherein said the first threshold is a critical point when the changing speed of the channel exceed the tracking speed of the equalizer, and the second threshold is a threshold bit error rate corresponding to a receiver.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

#### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eva Y Puente whose telephone number is 571-272-3049. The examiner can normally be reached on M-F, 7:30 AM to 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chieh Fan can be reached on 571-272-3042. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should

you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/E. Y. P./  
Examiner, Art Unit 2611

November 5, 2009

/CHIEH M FAN/  
Supervisory Patent Examiner, Art Unit 2611